

Lowell High School Chemistry — Fall 2009

Mr. Fong — Room 337 — Web Site: <http://www.scienceiscool.org/>

Welcome to Chemistry. This class is hard work and can be at the same time. I expect you to come to class prepared to learn, do the work for this class, and succeed. It is your responsibility to understand and complete **ALL** the work. This course follows the SFUSD and California state standards in Chemistry. You will be presented with the material you will need to score Advanced on the Chemistry STAR Test.

ATTENDANCE AND HOMEWORK POLICY

All written homework assigned will be due the next class period unless otherwise noted. Per school policy, **NO LATE HOMEWORK WILL BE ACCEPTED** (unless you have a legally excused absence). If you have a legally excused absence, it is YOUR RESPONSIBILITY e-mail Mr. Fong on the day you missed or within 2 school days to obtain a make-up classwork assignment. The homework assignment can be found by contacting a classmate or usually via the class website.

CLASS PARTICIPATION — DO NOWS and CLASSWORK

Each class period generally begins with a Do Now, which usually is a warm-up exercise shown on the screen as you enter class on time. The Do Now must be completed by the student and corrected by Mr. Fong within the allotted time. Class participation is vital. Each time you participate in class, you earn a check, which is worth 5 points. If you are not following the class protocols, you may be given an X, which is worth -10 points. At the end of each class, it is the student's responsibility to accurately record their points in their group folder, which is to remain in the classroom. Incorrect recording of points may result in points being taken away and/or following the school's process of dealing with academic dishonesty.

NOTEBOOK

You will need an **organized, spiral notebook** (preferably 8.5 X 11 inch with lots of pages — 300+ would be good) **AND/OR an organized binder** that will be used for your class notes, classwork, labs, filing corrected homework, etc. This notebook may be evaluated for organization, neatness, and completeness by notebook quizzes and/or notebook checks (see other side).

LAB REPORTS

Lab reports will be completed for homework and the due date will be given by the teacher. Reports **should** be typed with 1-inch margins and in a 12-point legible font. Group lab reports require equal participation by all group members. Any students not completing their fair allotment of work will receive no credit for that lab. If you are absent, it is your responsibility to make-up the lab. See the class website for the lab report guidelines and grading rubric.

QUIZZES and TESTS

In-class quizzes include closed-book and open-notebook quizzes. Quizzes and/or tests are given approximately every 2 weeks. **Make-ups will be given with only a legitimate absence AND a readmit. Make-ups must be completed within 2 school days of return and outside of your class time.**

GRADING

Homework: Approximately 20%
Class Participation: Approx. 25%
Lab Reports and Projects: Approx. 20%
Quizzes, Tests, and Final Exam: Approx. 35%

GRADES

A: 90% or above
B: 80% to <90%
C: 70% to <80%
D: 60% to <70%
F: Below 60%

CLASS RULES

1. SHOW RESPECT (includes but not limited to: the teacher, others, the classroom, yourself).
2. Come to class prepared, on time, and ready to learn.
3. All school rules will be enforced. (A complete list may be obtained in the Main Office.)
4. Have fun learning chemistry!

LABORATORY SAFETY FOR MR. FONG'S LOWELL HIGH SCHOOL CHEMISTRY

By following certain respect and common sense rules in the science laboratory, you can make the lab safe for both you and all others around you. We may perform experiments every class day. Be prepared.

1. Never work in the lab unless a teacher is present and aware of what you are doing.
2. Prepare for the lab activity or experiment by reading it first AND appropriately completing the pre-lab assignment. If something is unclear about the lab, ask questions. Be sure to make note of any cautions stated.
3. Dress appropriately for lab. Avoid wearing loose-fitting or bulky clothing or dangling jewelry. Wear closed-toed shoes, rather than sandals. Bring closed-toed shoes with you to every class.
4. Keep the work area free of any books or materials not needed for the lab.
5. Never throw anything in the lab. No horseplay. Remember, you are not a horse.
6. Wear safety goggles whenever working with flames, heated liquids, glassware, and whenever the teacher requests.
7. Use the materials only as instructed in the manual or by the teacher. If you wish to try an alternate method, consult the teacher first.
8. Report any injuries, accidents, or breakages to your teacher immediately. Also report anything that you suspect may be malfunctioning. Breakage of certain glassware or items may be subject to a uniform school breakage fee.
9. Work quietly so that you can hear any announcements concerning cautions and safety.
10. When you have finished your lab work, make sure that water and gas are turned off. Return all materials used to the places designated by the teacher. Follow the teacher's directions for disposal of any waste materials. Clean the work area.

You will not be allowed to perform a given experiment if any of the above rules or any additional rules subject to teacher discretion are not followed. Safety means being prepared and ready.

Topics Covered in This Semester in World of Chemistry by Zumdahl, Zumdahl, and DeCoste (2006):

- Introductory Concepts
- Measurement
- Atomic Nature of Matter
- Atomic Structure
- The Periodic Table
- Compounds and Chemical Formulas
- Stoichiometry
- Gases
- Solids and Liquids
- Geometry of Simple Molecules and Polyatomic Ions
- Chemical Bonding
- Interatomic, Intermolecular, & Interionic Forces
- Solutions
- Chemical Reactivity
- Chemical Dynamics / Kinetics
- Nuclear Chemistry
- Electrochemistry

MR. FONG'S CONTACT INFO: (use any or all of these methods)

- **Class Web Site:** <http://www.scienceiscool.org/> ← for class info
- **E-mail:** fongj4@sfusd.edu ← e-mail is usually quickest
- **AOL Instant Messenger:** Screenname "jfong1977"
- **School Phone:** (415) 759-2730 (ask receptionist to leave a written message in my mailbox)
- **Faculty Mailbox:** Put a note in my faculty mailbox under the heading "1008 Fong"

If you have any questions during the school year, feel free to ask me to clarify.
My contact information is provided above.

Parent Homework Assignment (Complete by Monday, September 7, 2009.)

Dear Parents: Please send me a brief e-mail at fongj4@sfusd.edu including:

1. Information about yourself — including your occupations and contact phone/e-mail
2. Information about your student
 - a. learning strengths and weaknesses
 - b. hobbies and extracurricular activities
 - c. information that could assist me in helping them work toward success in Chemistry.

Thank you.

(detach here and return bottom portion to Mr. Fong by due date)

Both signatures (the student and his/her parent/guardian) below indicate that you and your parents/guardians have read the Chemistry class rules, procedures, and lab safety guidelines on the previous two pages. Your signatures indicate that you and your parents/guardians will respect and obey them.

Student Name:	Student Signature:	Date:
Parent / Guardian Contact Name:	Parent /Guardian Signature:	Date:
Parent / Guardian Phone or E-mail:		Class Mods: / /